

ا) $2, 11, 24, 47, 74$

11, 25

ب) $\frac{10}{2}, \frac{10}{4}, 1, \frac{9}{4}, \frac{11}{4}$

ا) $\frac{-1}{\sqrt{14}} = \frac{-1}{4}$

ب) $24 - \left[\frac{13}{4} \right] = 24 - 3 = 21$

ا) $2n - 10 < 0 \rightarrow 2n < 10 \rightarrow n < 5 \Rightarrow 1, 2, 3, 4 \Rightarrow 4$

ب) $n^2 - 14n + 40 < 0 \rightarrow (n - 10)(n - 4) < 0 \rightarrow 4, 5, 6, 7, 8, 9 \Rightarrow 6$

$\rightarrow \frac{4}{+4-4+}$

ا) $2n - 14 \leq 0 \rightarrow 2n \leq 14 \rightarrow n \leq 7 \rightarrow 1, 2, 3, 4, 5, 6, 7 \Rightarrow 7$

ب) $n^2 - 12n + 27 \leq 0 \rightarrow (n - 9)(n - 3) \leq 0 \rightarrow 3, 4, 5, 6, 7, 8, 9 \Rightarrow 7$

$\frac{4}{+4-4+}$

$2r = v \rightarrow v = a + 4b$

$2q = 22 \rightarrow 2r = a + 4b$

$\rightarrow \begin{cases} 2r = a + 4b \\ v = a + 4b \end{cases}$

$10 = 10b \rightarrow b = 1$

$v = a + 4 \rightarrow a = -4$

$2r = -4 + 4(1) = 0$

1,50

* n چه اعداد جبری است نمی تواند متنی باشد

Q



①

Q

Q

1

$$\left. \begin{array}{l} \text{اشتراک نمی باشد} \rightarrow 2a+1 > a+2 \rightarrow a > 3 \\ \text{اشتراک می باشد} \rightarrow 2a+1 \leq a+2 \rightarrow a \leq 3 \end{array} \right\} a \geq 3$$

10

②

c) $n(A \cup B) = n(A) + n(B) - n(A \cap B) \rightarrow 44 + 40 - 9 = 75$